

INTERNATIONAL SEARCH REPORT

International Application No

PCT/03/05049

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C01B3/02 C01C1/04 B01F5/04 C01B3/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C01B C01C B01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, API Data, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	H. BENDIX, L LENZ: "Results and experiences on revamping of large-scale ammonia single-line plants" MEETING OF AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, 1989, pages 221-233, XP008010918 page 227, right-hand column, last paragraph	1-4,7
X	WO 01 66465 A (PROCESS MAN ENTPR LTD ;MOORE DEWEY OREN (US)) 13 September 2001 (2001-09-13) cited in the application the whole document	7
A	IDEM ----- -/--	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

7 August 2003

Date of mailing of the international search report

14/08/2003

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PCT/03/05049

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A	US 3 349 569 A (NEBGEN WILLIAM H) 31 October 1967 (1967-10-31) claims -----	1,7
A	WO 99 13963 A (HANSEN PER HENNING ; NILSEN FINN PATRICK (NO); LINGA HARALD (NO);) 25 March 1999 (1999-03-25) figure 6 -----	1,7

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Information on patent family members

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